

Work Order ID 56722

March 5, 2010 9:59:52 AM



Page 1

Item ID: D412-742-011

Accept



Setup Start



Revision ID:

Stop



Item Name: Float Skidtube Installation

Start Date: 05/03/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 17/03/2010 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals: Process Plan: *PI*

Date: *10-3-05* Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

IIN-D412-742

D

100



DOCUMENT CONTROL

0.00

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D412-742-011 CHG006

6 10/07/23

H for BG 10/07/16

110



Pick Kit

0.00

Packaging

Memo

0.00

Packaging

10-7-19 (20)

SP

120



QC4- 100% Inspect kits for completeness

0.00

QC

Memo

0.00

Quality Control

8 10/07/23

to

B56716

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DOA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 56722

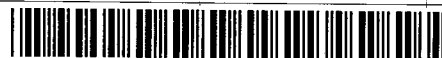
March 5, 2010 9:59:52 AM



Page 2

Item ID: D412-742-011

Accept



Setup Start



Revision ID:

Item Name: Float Skidtube Installation

Stop



Start Date: 05/03/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 17/03/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev. Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



Packaging

Packaging

0.00

Memo

0.00

Identify and pack for shipping as per PPPD412-742-011
Location: _____

NRUG.

140



QC

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Quality Control

C 0107/230

10/07/26 J

MP

10-7-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DOA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 79

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

MS21043-3



Nut

Purchased No 100 Each

4,196.000 33.0000



10.7.2010

Warehouse

Location

OFFSHORE

FG

80

103691

80

Main Warehouse

ST

4116

111819

70

112243

29

112314

4017

AN3C37A



BOLT

Purchased No 110 Each

84.0000 3.0000



33
10.7.2010

Warehouse

Location

Main Warehouse

ST

84

112454

84

3

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 79

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 80

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C40A

Purchased No 110 Each

84.0000 2.0000

BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 84

106176 34

112454 50

Purchased No 110 Each

138.0000 3.0000

AN3C41A

BOLT

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG 4

103324 4

Main Warehouse

ST 134

112431 34

112829 100

10-7-20 SP

2

10-7-20 SP

3

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 80

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 81

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN3C42A

Purchased

No

110

Each

132.0000 3.0000

BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

132

~~106169~~

32

106176

100

AN3C43A

Purchased

No

110

Each

45.0000 3.0000

BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

45

106227

2

106228

35

107457

8

AN3C44A

Purchased

No

110

Each

173.0000 9.0000

BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

173

~~106187~~

73

110848

100

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 81

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 82

Work Order ID: 56722



Parent Item: D412-742-011



Parent Item Name: Float Skidtube Installation

Start Date: 05/03/2010

Required Date: 17/03/2010

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DS19336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Qty: 1.00

Required Qty: 1.00

S AN3C47A Purchased No 110 Each 111.0000 10.0000
 BOLT

Warehouse

Loc Qty

Location

Main Warehouse

ST

111

106171

62

110847

49

S AN4C47A Purchased No 110 Each 110.0000 4.0000
 Bolt

Warehouse

Loc Qty

Location

Main Warehouse

ST

110

112489

2

112816

3

113164

5

113302

100

Loc Code



10-7-20 SP

110.0000 4.0000



10
 ① M11523, M115030
 10-7-20

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 82

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 83

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN4C52A

Purchased No 110 Each

184.0000 8.0000



BOLT



16-7-20

2

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 184

103914 19

112543 15

112641 50

113121 100

AN4C6A

Purchased No 110 Each

611.0000 16.0000



Bolt



10-7-20

2

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG 4

103344 4

Main Warehouse

ST 607

111295 0

112759 25

112794 82

113121 500

16

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 83

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 84 **6**

Work Order ID: 56722



Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN4C7A
 Bolt
 Purchased No 110 Each 431.0000 4.0000



Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 431

109147 431

Purchased No 110 Each 99.0000 8.0000



BOLT

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 99

104289 1

110396 98

10-7-2008

4
10-7-20 SD

8

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 84

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 85

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN960C10L Purchased No 110 Each 388.0000 66.0000

washer NAS1149C6332R

Warehouse	Loc	Qty
Location		
OFFSHORE		
FG		100
103585		100
Main Warehouse		
ST		288
112116		128
112612		160

Loc Code

1115000 10-7-20 SP

AN960C416L Purchased No 110 Each 1,314.0000 32.0000

WASHER

Warehouse	Loc	Qty
Location		
OFFSHORE		
FG		44
104925		44
Main Warehouse		
ST		1270
111916		2
112612		368
112794		500
112828		400

Loc Code

1,314.0000 32.0000 10-7-20 SP 32

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 85

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 86

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

AN960C616L

Purchased No

110 Each

250.0000 8.0000

WASHER

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

250

111424

50

113064

200

D2571

Manufactured No

110 Each

22.0000 1.0000

Saddle, Fwd Out 205

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

14

11644

1

43564

3

47564

7

52910

3

Main Warehouse

ST433

8

54929

8

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 86

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 87

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2572



Saddle, Fwd In 205

Manufactured No 110 Each

12.0000 1.0000



B59300

10/7/195

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 12

43565 3

52908 9

D2573



Saddle, Aft Out 205

Manufactured No 110 Each

25.0000 1.0000



B59301

10/7/195

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST 11

43566 3

44206 1

47566 7

Main Warehouse

ST434 14

52328 6

52911 8

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 87

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 88

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2574



Saddle, Aft In 205

Manufactured No

110 Each

17.0000 1.0000



B59882 10-7-19

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2

43567

2

Main Warehouse

ST434

15

53463

7

56398

8

D2747



Set Screw

Manufactured No

110 Each

229.0000 4.0000



10-7-20

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST023

229

39224

4

43855

25

51921

200

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 88

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DCA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector	
			Initial Chief Eng	Action Description Chief Eng	Sign & Date				

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 89

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation


Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D2876

 Saddle Spacer

Manufactured No 110 Each

149.0000 2.0000



16.7.20 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST028

102

42364

102

Main Warehouse

ST051

47

51540

47

Manufactured No 110 Each

80.0000 2.0000



BS8531 10.7.20 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST028

80

46518

1

47292

42

51541

37

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 89

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 90

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DS19336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

D3403-1



Bushing

Manufactured No

110 Each

45.0000 16.0000



Loc Code

Handwritten: 14x, 2x, BS6856, 591A, 10-7-20

Warehouse

Location

Loc Qty

Main Warehouse

ST

18

54237

5

56387

13

Main Warehouse

ST55

27

56387

27

D3403-3



Bushing

Manufactured No

110 Each

24.0000 8.0000



Loc Code

Handwritten: BS6857, 10-7-20

Warehouse

Location

Loc Qty

Main Warehouse

ST

24

52900

24

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 90

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Page 91 13

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3405-041



Lug Assembly

Manufactured No 110 Each

17.0000 1.0000



59628

10.7.9 SP

Loc Code

Warehouse

Loc Qty

Location

Main Warehouse

ST

17

53887

17

110

Each

8.0000

1.0000



59629

10/1/12 SP

Loc Code

Warehouse

Loc Qty

Location

Main Warehouse

ST

8

46589

1

46863

1

52324

1

53888

5

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 91

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Work Order ID: 56722

Page 92

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D3407-041



Tow Ring

Manufactured No

110 Each

12.0000 1.0000



58755

10/7/1920

Warehouse

Location

Loc Qty

Loc Code

OFFSHORE

FG

3

35780

3

Main Warehouse

ST

3

48356

1

50755

2

Main Warehouse

ST464

6

55032

6

Manufactured No

110 Each

105.0000 2.0000



10.7.2020

Warehouse

Location

Loc Qty

Loc Code

Main Warehouse

ST

105

42176

2

44349

22

51648

28

53182

53

2

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 92

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments: IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Page 93

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D3456-1



Washer

Manufactured No

110 Each

172.0000 1.0000



10-7-2010

Warehouse

Location

Main Warehouse

ST

51653

54692

Loc Qty

172

4

168

Each

Loc Code

168.0000 2.0000



10-7-2010

D3533-1



Set Screw

Manufactured No

110 Each

Warehouse

Location

Main Warehouse

ST

51602

Loc Qty

168

168

Each

Loc Code

39.0000 16.0000



2

B58046 10-7-2010

D3672-11



Phenolic Washer

Manufactured No

110 Each

Warehouse

Location

Main Warehouse

ST

35524

Loc Qty

39

39

Loc Code

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 93

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Work Order ID: 56722

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DS19336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

Start Date: 05/03/2010

Start Qty: 1.00

Required Date: 17/03/2010

Required Qty: 1.00

D3672-3



Phenolic Washer

Manufactured No

110 Each

524.0000 32.0000



Loc Code

BS7704 10.7.2009

Warehouse

Location

Loc Qty

Main Warehouse

ST117

24

51596

24

Main Warehouse

ST77

500

55560

500

110 Each

491.0000 8.0000



Loc Code

10.7.2009

Warehouse

Location

Loc Qty

Main Warehouse

ST

491

35523

491

110 Each

3.0000 1.0000



Loc Code

10.7.2009

Warehouse

Location

Loc Qty

Main Warehouse

FG

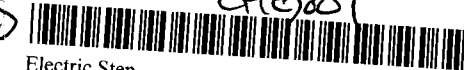
3

35939

3

Shop Packet Print

D412-742-015



Electric Step

Manufactured No

March 5, 2010 9:59:49 AM

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

March 5, 2010 9:59:49 AM

Work Order ID: 56722

Page 95

Parent Item: D412-742-011

Parent Item Name: Float Skidtube Installation

Comments:

IPP Rev: A ☐ 05.10.13 ☐ New Issue ☐ KJ/JLM ☐
 IPP Rev: B 06-06-08 As per DSI9336 JLM
 IPP Rev: C 07-05-28 As per Rev C JLM
 IPP rev D 07.11.01 ecn 1053P EC

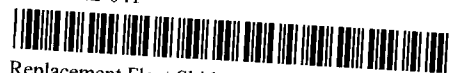
Start Date: 05/03/2010

Required Date: 17/03/2010

Start Qty: 1.00

Required Qty: 1.00

D412-742-041



Manufactured No

110 Each

0.0000 1.0000

Replacement Float Skidtube

MS21043-4



Purchased No

110 Each

374.0000 29.0000

Nut

Warehouse

Location

Loc Qty

Loc Code

OFFSHORE

FG

40

104603

40

Main Warehouse

ST

334

112314

100

112492

11

113064

223

356716 Sll
 1114348 10.7.2010

March 5, 2010 9:59:49 AM

Shop Packet Print

Page 95

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.0 PARTS LIST

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT
		1		D3391-041	412 FLOAT SKIDTUBE
1		*24		*AN3C4A	*BOLT
3		*12		*AN3C6A	*BOLT
4		*8		*AN3C7A	*BOLT
5		*44		*AN960C10L	*WASHER
6		*4		*MS27039C4-12	*SCREW
7A		*4		*D3672-3	*WASHER (REPLACES NAS1515H4L)
7B		*4		*AN960C416L	*WASHER
21A		*1		*D3564-1	*WEARSHOE (REPLACES D3460-1)
21B		*1		*D3566-1	*GASKET
22A		*1		*D3564-3	*WEARSHOE (REPLACES D3460-3)
22B		*1		*D3566-1	*GASKET
23A		*1		*D3564-5	*WEARSHOE (REPLACES D2577-5)
23B		*1		*D3566-5	*GASKET
10		*1		*D3391-011	*412 FORWARD TUBE
11		**1		**D3401-041	**TOW CAP
12A		**10		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
12B		**2		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB166)
13		**10		**AN3C4A	**BOLT
14A		**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10		**AN960C10L	**WASHER
24A		**1		**D3564-13	**WEARSHOE
24B		**1		**D3566-13	**GASKET
20		*1		*D3391-013	*412 MID TUBE
28		**24		**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1		*D3391-015	*412 AFT TUBE
25A		**1		**D3537-1	**WEARPAD
25B		**1		**D3553-1	**GASKET
26A		**1		**D3537-7	**WEARPAD
26B		**1		**D3553-3	**GASKET
31		**1		**D2646	**AFT CAP
32		**14		**AELS-1032-130	**INSERT
36		**12		**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6		**AN3C4A	**BOLT
37B		**4		**AN3C5A	**BOLT
38A		**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10		**AN960C10L	**WASHER
39		**4		**ALS4-428-165	**INSERT (REPLACES NAS1330S4KB151)

(CONTINUED ON PAGE 17)

• COPYRIGHT © 2005 BY DART AEROSPACE USA, INC. •
 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED
 OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D
 Date: 07.10.04

(CONTINUED FROM PAGE 16)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
40	1			D2571	SADDLE, FWD OUTSIDE
41	1			D2572	SADDLE, FWD INSIDE
42	1			D2573	SADDLE, AFT OUTSIDE
43	1			D2574	SADDLE, AFT INSIDE
44	2			D2876	SADDLE SPACER
45	2			D2877	SADDLE SPACER
46	16			D3403-1	BUSHING
47A	4			D2747	SET SCREW
47B	2			D3533-1	SET SCREW
48	16			AN4C6A	BOLT
49	8			AN4C52A	BOLT
50	8			AN6C12A	BOLT
51A	32			D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32			AN960C416L	WASHER
52A	8			D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8			AN960C616L	WASHER
53	16			D3672-11	WASHER (REPLACES NAS1515H7L)
54	24			MS21043-4	NUT
55	4			AN4C7A	BOLT
60	8			D3403-3	BUSHING
61	1			D3405-041	GHW LUG
62	1			D3405-043	GHW LUG
63	4			AN4C46A	BOLT
64	4			MS21043-4	NUT
70	1			D3407-041	TOW RING
71	2			D3417-3	WASHER
72	1			MS21043-4	NUT
73	1			D3456-1	WASHER
80			1	D2913	DOUBLER
81		***4		***ALS4-428-165	***INSERT (REPLACES NAS1329S4KB140)
82		***4		***AELS-1032-130	***INSERT (REPLACES NAS1330S3KB116)
83			2	MS21043-4	NUT
84			2	MS24693-C272	SCREW
85			1	MS35489-35	GROMMET
86			1	MS35489-93	GROMMET
87		***4		***MS27039C1-09	***SCREW
88		***4		***MS27039C4-08	***SCREW
89A		***4	2	***D3672-1	***WASHER (REPLACES NAS1515H3L)
89B		***4	2	***AN960C10L	***WASHER
90A		***4		***D3672-3	***WASHER (REPLACES NAS1515H4L)
90B		***4		***AN960C416L	***WASHER
91	3			AN3C37A	BOLT
92	2			AN3C40A	BOLT
93	3			AN3C41A	BOLT
94	3			AN3C42A	BOLT
95	3			AN3C43A	BOLT
96	9			AN3C44A	BOLT
98	10			AN3C47A	BOLT
99	66			AN960C10L	WASHER
100	33			MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-041 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED ABOVE ASSEMBLY

***DENOTES THAT PART IS INCLUDED WITH D3391-013

• COPYRIGHT © 2005 BY DART AEROSPACE USA, INC. •
 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED
 OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Revision: D

Date: 07.10.04

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. D AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 3.

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.IM.R.S.01126

REFERENCE

INSTRUCTIONS:

- 1) FOR D412-742-011/-013 SKIDTUBES @ CHANGE 006 AND SUBSEQUENT, UPDATE THE PARTS LIST TO MODIFY THE BOLT USED TO ATTACH THE GHW LUG AS FOLLOWS:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

32.15 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List

ITEM	Qty -011	Qty -041	Qty -015	PART NUMBER	DESCRIPTION
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION
	1	X		D412-742-041	FLOAT SKIDTUBE
	1		X	D412-742-015	ELECTRIC STEP KIT

IS:

63	4			AN4C47A	BOLT
----	---	--	--	---------	------

WAS:

63	4			AN4C46A	BOLT
----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

32.16 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

ITEM	Qty -013	Qty 043	PART NUMBER	DESCRIPTION
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE

IS:

63	4			AN4C47A	BOLT
----	---	--	--	---------	------

WAS:

63	4			AN4C46A	BOLT
----	---	--	--	---------	------

A	NEW ISSUE	AJS	08.12.19
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9441	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT CHANGE	NTS
DATE	08.12.19	COPYRIGHT © 2008 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	